

1. SCOPE

1.1 Scope. This drawing describes the requirements for a code indicating wheel supplied to the requirements of MIL-PRF-22710, type SRPC24, except as noted herein.

1.2 Part or Identifying Number (PIN). The complete PIN shall be as shown in the following example:

<u>90101-</u>	<u>XXXX</u>
_____	_____
Drawing number	Dash number (see table 1)

2. APPLICABLE DOCUMENTS

2.1 Government documents.

2.1.1 Specifications and standards. The following specifications and standards form a part of this document to the extent specified herein. Unless otherwise specified, the issues of these documents are those listed in the issue of the Department of Defense Index of Specifications and Standards (DODISS) and supplement thereto, cited in the solicitation (see 6.2).

SPECIFICATIONS

DEPARTMENT OF DEFENSE

MIL-PRF-22710 - Switches, Code Indicating Wheel (Printed Circuit), (Thumbwheel and Pushbutton), General Specification for.

MIL-PRF-22710/24 - Switch, Rotary, (Printed Circuit) (Toggle, Bi-directional, Sealed, Illuminated or Non-illuminated), Style SRPC24.

(Unless otherwise indicated, copies of federal and military specifications, standards, and handbooks are available from the Document Automation and Printing Service, Building 4D (DPM-DoDSSP), 700 Robbins Avenue, Philadelphia, PA 19111-5094.)

2.2 Order of precedence. In the event of a conflict between the text of this document and the references cited herein, the text of this document takes precedence. Nothing in this document, however, supersedes applicable laws and regulations unless a specific exemption has been obtained.

3. REQUIREMENTS

3.1 Item requirements. The individual item requirements shall be in accordance with MIL-PRF-22710/24, and as specified herein.

3.2 Interface and physical dimensions. The switch shall meet the interface and physical dimensions as specified in MIL-PRF-22710, MIL-PRF-22710/24, and herein.

3.2.2 Fixed stops. Fixed stops shall be provided (see table I).

3.2.3 Stop strength. Stop strength shall be in accordance with MIL-PRF-22710.

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3.3 Mounting hardware. Mounting hardware shall be in accordance with MIL-PRF-22710/24.

TABLE I. Part numbers.

90101-	Prior to modification	Positions	Dial markings
0001	M22710/24-012	7	0 - 6
0002	M22710/24-012	8	0 - 7

3.4 Marking. Marking shall be in accordance with MIL-PRF-22710 except the part number shall be in accordance with 1.2 herein. the MIL-PRF-22710/24 part number shall not be used.

3.5 Quality assurance requirements. Switches furnished under this drawing shall have been subjected to, and passed all the requirements, tests, and inspections as specified herein including conformance inspection requirements.

3.5.1 Conformance inspection. Conformance inspection shall be in accordance with 4.2 herein.

3.6 Certification as an approved source of supply. In order to be listed as an approved source of supply for switches manufactured to this drawing, a manufacturer shall:

- a. Agree to make available to DSCC, upon request, all pertinent test data on its production of the subject part, including, but not limited to, test data in accordance with the qualification inspection table of MIL-PRF-22710.
- b. Provide is DSCC-VAT or its designated agent, upon request, free of charge and without obligation, a current production sample from its production of the subject part.
- c. Meet one of the following criteria:
 - (1) Currently possess listing on qualified product list QPL-22710 for at least one part.
 - (2) Be in current production of the subject part.

3.7 Certificate of compliance. A certificate of compliance shall be required from a manufacturer in order to be listed as an approved source of supply (see 6.6 and 6.7).

3.8 Recycled, recovered, or environmentally preferable materials. Recycled, recovered, or environmentally preferable materials should be used to the maximum extent possible provided that the material meets or exceeds the operational and maintenance requirements, and promotes economically advantageous life cycle costs.

4. VERIFICATION

4.1 Sampling and inspection. Sampling and inspection procedures shall be in accordance with MIL-PRF-22710.

4.2 Conformance inspection. Conformance inspection shall be in accordance with groups A and B listing of MIL-PRF-22710. Groups A and B testing shall be performed on each inspection lot and manufacturers shall keep lot records for 3 years (minimum), monitor for compliance to the prescribed procedures, and observe that satisfactory manufacturing conditions and records on lots are maintained for these switches.

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4.2.1 Groups A and B inspections. Groups A and B inspections shall consist of all test specified in MIL-PRF-22710.

4.3 Inspection of packaging. Inspection of packaging shall be in accordance with MIL-PRF-22710.

5. PACKAGING

5.1 Packaging. For acquisition purposes, the packaging requirements shall be as specified in the contract or order (see 6.2). When actual packaging of materiel is to be performed by DoD personnel, these personnel need to contact the responsible packaging activity to ascertain requisite packaging requirements. Packaging requirements are maintained by the Inventory Control Point's packaging activity within the Military Department or Defense Agency, or within the Military Department's System Command. Packaging data retrieval is available from the managing Military Departments or Defense Agency's automated packaging files, CD-ROM products, or by contacting the responsible packaging activity.

6. NOTES

(This section contains information of a general or explanatory nature that may be helpful, but is not mandatory.)

6.1 Notes. Only definitions of the notes specified in MIL-PRF-22710 shall apply to this drawing.

6.2 Intended use. Switches conforming to this drawing are intended for use when military specifications do not exist and qualified military devices that will perform the required function are not available for OEM application. This drawing is intended exclusively to prevent the proliferation of unnecessary duplicate specifications, drawings, and stock catalog listings. When a military specification exists and the product covered by this drawing has been qualified for a listing on QPL-22710, this drawing will become inactive for new design. The QPL-22710 product shall be the preferred item for all applications.

6.3 Ordering data. The contract or purchase order should specify the following:

- a. Complete PIN (see 1.2).
- b. Requirements for delivery of one copy of the conformance inspection data that parts have passed conformance inspection, with each shipment of parts by the manufacturer.
- c. Issue of DoDISS to be cited in the solicitation, and if required, the specific issue of individual documents referenced (see 2.1).
- d. Requirements for packaging and packing.

6.4 Replaceability. Switches covered by this drawing will replace the same generic device covered by a contractor-prepared specification or drawing.

6.5 Comments. Comments on this drawing should be directed to DSCC-VAT, P.O. Box 3990, Columbus, OH 43216-5000 or by telephone (614) 692-0550.

6.6 Submission of certificate of compliance. The certificate of compliance submitted to DSCC-VAT, prior to listing as an approved source, shall state the manufacturer's product meets the requirements herein.

6.7 Users of record. Coordination of this document for future revisions is coordinated only with the suggested sources of supply and the users of record of this document. Requests to be added as a recorded user of this drawing should be in writing to: DSCC-VAT, P.O. Box 3990, Columbus, OH 43216-5000 or by telephone (614) 692-0551 or DSN 850-0551.

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6.8 Suggested sources of supply. Suggested sources of supply are listed herein. Additional sources will be added as they become available. For assistance in the use of this drawing, contact DSCC-VAT, P.O. Box 3990, Columbus, OH 43216-5000 or by telephone (614) 692-0551 or DSN 850-0551.

DSCC drawing PIN 90101-	Vendor similar part number <u>1/</u>	Vendor CAGE	Vendor name and address
0001	24/013/S/06/S/F/E	07126	Digitran Division Xcel Corporation 4290 East Brickell Street Ontario, CA 91761
0002	24/013/S/07/S/F/E	07126	

1/ Parts must be purchased to this DSCC PIN to assure that all performance requirements and tests are met.

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